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PATENT & TRADEMARK OFFICE

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0002] with the following amended paragraph:

[0002] The present invention relates to a user certificate system and method for data broadcasting that requires user certification, in which an easy user certification can be made.

Please replace paragraph [0003] with the following amended paragraph:

[0003] In general, the term ~~of~~ 'digital broadcasting' indicates TV ~~broadcastings~~ broadcasting transmitted in digital systems. The USA determined to employ the digital system in a next generation TV called as ATV (Advanced television). In Europe, there are many on going projects, such as HD DIVINE of ~~Sweden and~~ Sweden, etc., SPECTRE of UK, DIAMOND of France, and the like. As a next generation TV system interfaced with B-ISDN or a computer network, researches on the digital TV are progressed actively in different countries.

Please replace paragraph [0005] with the following amended paragraph:

[0005] A stream of ~~a~~ digital broadcasting can carry data together, with video and audio signals. The data may be a markup language based, such an HTML of ATVEF (Advanced Television Enhancement Forum), XDML of DASE (Digital TV Application Software Environment), or the like, or Java based, such as Xlet of DASE

Please replace paragraph [0007] with the following amended paragraph:

[0007] One of features of the digital broadcasting is bidirectional communication. As a result of this, TV watchers (viewers) can make real time participation in the digital broadcasting services.

Please replace paragraph [0008] with the following amended paragraph:

[0008] For ~~an~~ example, the TV watchers can both receive and participate in data broadcastings, such as quiz program, home shopping program, poll program in which the TV watchers opinions are taken, and the like, even without using telephones.

Please replace paragraph [0012] with the following amended paragraph:

[0012] The foregoing related art user certificate system requires the user ID with at least five characters, and the password with at least 6 ~ 8 characters. Once, the user ~~send~~ sends the user ID and the password to the broadcasting station through the foregoing series of process, the user certificate system in the broadcasting station certificates the user based on the user ID and the password.

Please replace paragraph [0016] with the following amended paragraph:

[0016] Accordingly, the present invention is directed to a user certificate system and method for data broadcasting that substantially obviates one or more of the problems due to limitations and disadvantages of the related art.

Please replace paragraph [0017] with the following amended paragraph:

[0017] An object of the present invention is to provide a user certificate system and method for data broadcasting, in which a user can be certificated only with a simple user code without direct input of a user ID and a password in a data broadcasting program that requires a user to be certificated.

Please replace paragraph [0024] with the following amended paragraph:

[0024] The accompanying drawings, which are included to provide a further understanding of the invention and are incorporated in and constitute a part of this application, illustrate embodiment(s) of the invention and together with the description serve to explain the principle of the invention. In the drawings;

FIGS. 1A and 1B illustrate typical screens for the user to input the user ID and a password in certification of user in a related art data broadcasting;

FIG. 2 illustrates a flow chart showing the steps of a process for carrying out certification of user when a user inputs a code start key on a remote control device during the user watches a data broadcasting in accordance with a preferred embodiment of the present invention;

FIGS. 3A and 3B illustrate an example of screens for the user to input the user ID and a password in accordance with the embodiment in FIG. 2;

FIG. 4 illustrates an example of a screen shown in a process for certificate a user in accordance with a preferred embodiment of the present invention;

FIG. 5 illustrates an example of a code certificate table stored in a settop box in accordance with a preferred embodiment of the present invention;

FIG. 6 illustrates a flow chart showing the steps of a process for certificate a user when the user inputs a code shortcut key on a remote control device in accordance with a preferred embodiment of the present invention;

FIG. 7 illustrates a flow chart showing the steps of a process for automatic certificate a user when the user code is inputted in accordance with the embodiment in FIG. 6;

FIGS. 8A and 8B illustrate screens displayable when the user code is inputted in accordance with the embodiment in FIG. 6; and

FIG. 9 illustrates an example of a remote control device in accordance with a preferred embodiment of the present invention.

Please replace the title between paragraphs [0024] and [0025] with the following:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please replace paragraph [0027] with the following amended paragraph:

[0027] The settop box includes a first memory (not shown) for storing a code certificate table for writing a record having a user code, a program title, and an input key sequence thereon, a second memory (not shown) for storing a flag indicating whether the same user ID and password are used for all broadcasting ~~program~~ programs. It is preferable that the first and second memories are non-volatile, and the settop box can extract a program title from an Electronic Program Guide table received from a broadcasting station.

Please replace paragraph [0029] with the following amended paragraph:

[0029] FIG. 2 illustrates a flow chart showing the steps of a process for carrying out certification of user when a user inputs a code start key on a remote control device ~~during~~ while the user watches a data broadcasting in accordance with a preferred embodiment of the present invention.